



Dremel 8220 Motor Replacement

This guide will help you replace your defective motor with a new one.

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INTRODUCTION

This guide will show you how to replace a defective motor. With only a few steps and a few tools you will be able to open up the device and gain access to the motor. The motor can then be easily swapped out.



TOOLS:

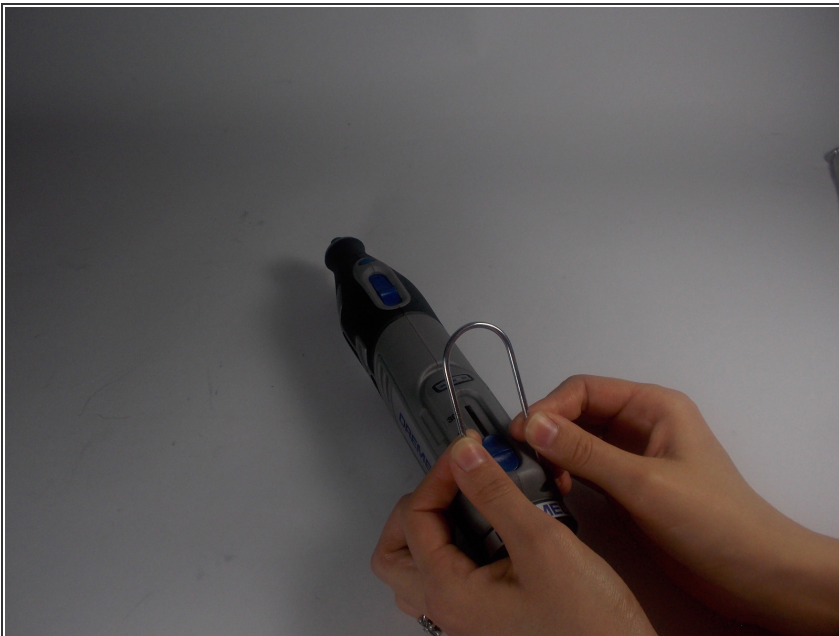
- [T9 Torx Screwdriver](#) (1)
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Step 1 — Motor



- Locate the battery at the back of your Dremel. Firmly grasp the battery on both sides and pull. It should easily come out of the battery well.

Step 2



- Remove the ring located around the speed selector switch by pulling apart on either side. This should require very minimal force.

Step 3



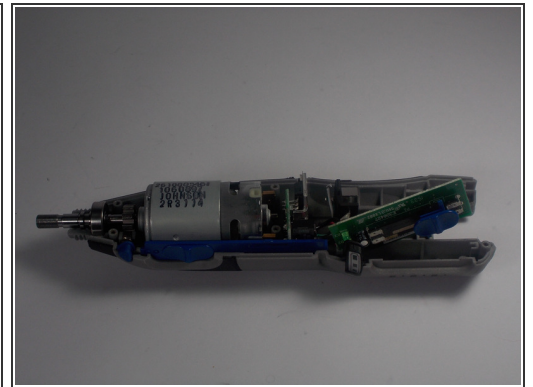
- Remove the collar wrench by pushing the gear lock button. Continue to hold this button as you rotate the wrench counter-clockwise until it is removed.

Step 4



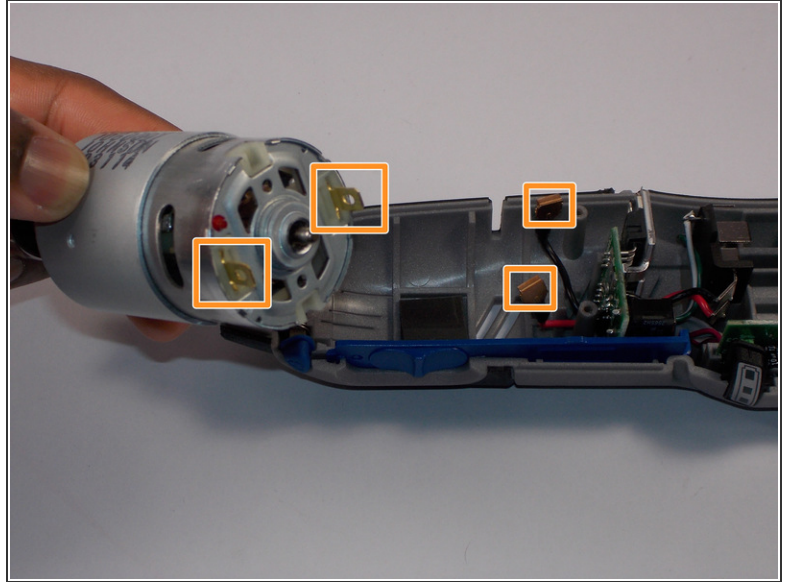
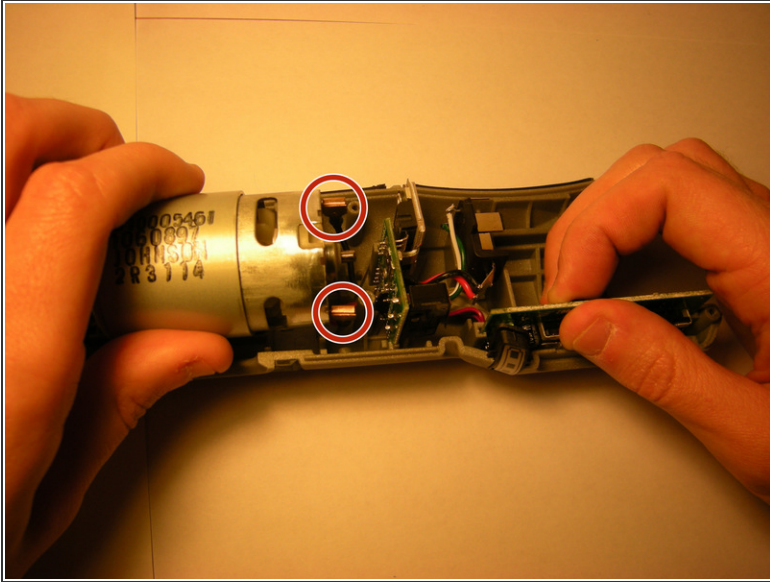
- Remove the metal clasp from the battery well. This piece helps hold the plastic shell of the device together. Pry it out by gently applying some force with a screwdriver.

Step 5



- Remove 5 10.5 mm torx screws using t9 bit. (specific head for a screwdriver).
- i** Now pull apart the plastic shell of the device. If you are not able to, review the previous steps as you may have missed one.

Step 6



- Remove broken motor. Lift out the motor until you can see where the wire connects to the motor
- Next remove the clips where the wires connect with the motor. This can be done with your fingers or a pair of pliers
- ⓘ You should then be able to reconnect a new motor and reassemble the device.

To reassemble your device, follow these instructions in reverse order.

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